

Date: Thu, 2 Jun 94 03:29:39 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #608  
To: Info-Hams

Info-Hams Digest                      Thu, 2 Jun 94                      Volume 94 : Issue 608

Today's Topics:

18 June, Durham, NC: Commercial Radio Op Exams  
ARLD032 DXCC update  
Evergreen Intertie  
Fancy testing some Mac software ?  
Ham Radio few problem  
IPS Monthly Report - May 94  
NEEDED: FCC Compliant FM Xmitter  
PRB-1 access and approaching city hall

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----  
Date: 2 Jun 1994 03:57:29 GMT  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!europa.eng.gtefsd.com!  
news.umbc.edu!eff!news.duke.edu!concert!inxs.concert.net!taco.cc.ncsu.edu!  
csemail.cropsci.ncsu.edu!samodena@network.UCSD  
Subject: 18 June, Durham, NC: Commercial Radio Op Exams  
To: info-hams@ucsd.edu

Commercial Radio Operator License Examinations

Durham, NC -- 18 June 94 -- 9:30 am

SW Branch -- Durham Public Library: 3605 Shannon Road

Licenses attainable:

Marine Radio Operator Permit -- Element 1

General Radiotelephone Operator -- Elements 1 & 3

GMDSS Radio Maintainer -- Elements 1, 3 & 9

(probably\*\*) GMDSS Radio Operator -- Elements 1 & 7

\*\*we believe that element 7 will be available for testing

For more info or to reserve an exam seat, contact:

Steve Modena (919)787-7618 or Terry Murphy (919)471-4018

~ ~ ~ ~ ~

Commercial Radio Operator License Examinations:

Durham , NC -- 18 June 94 -- 9:30 am

Who is offering it: W5YI-affiliated National Radio Examiners

Though walk-ins will be allowed, seating is limited.

To be assured a seat, contact:

Steve Modena (919)787-7618 or Terry Murphy (919)471-4018

What will be offered:

Examinations on elements 1, 3, 9, and probably 7

Time: 09:30 AM

Location: SW Branch of the Durham Public Library (next page)

What to bring: Cash for the fees, id, non-programable hand  
calculators and good preparation

\* \* \*Personal identification: Bring at least TWO forms of  
positive identification \* \* \*

WARNING: Anything that even resembles cheating or an attempt to  
cheat will be reported \*directly\* to the FCC, as per regulations

How does it work: very similar to the Amateur Exams,  
but with certain exceptions

1. Any or all of the currently offered elements available  
may be taken

2. Elements may be taken in any order
3. Each element passed successfully will be recorded on a Proof-of-ing certificate
4. If you qualify for a license, you may prepare an FCC Form 756, or defer.
5. If you fail an element, there will no opportunity to retry during the same session.
6. The amount of time allowed for the exams will be reasonable, but not unlimited
7. We reserve the unequivocal right to limit seating: first come, first served!
8. Fees charged follow this NRE rule:

"At this time, NRE requires a fixed \$35 fee from each candidate for the administration of any and all examination elements required for each commercial license per sitting. If any elements are failed, no license which required the failed element would be issued and the applicant would have to schedule another exam session and pay another fee to obtain the desired license."

FEES MUST BE PAID IN CASH ONLY -- no checks, no exceptions.

We are absolutely obligated to be certain that you are who you say you are: make sure that the identification that you present will pass muster--otherwise you will not be allowed to take an exam.

~ ~ ~ ~ ~

Commercial Radio Operator License Examinations:  
SW Branch Durham Public Library: 3605 Shannon Rd.  
Durham , NC -- 28 May 94

Steve Modena AB4EL (919) 787-7618 or  
Terry Murphy AB4VJ (919) 471-4018

How To Get There:

Talk-in: we will listen for this Durham repeater: 144.85/145.45

These instructions work if you approach South Square Mall via 15-501 BYPASS.

You are in the vicinity of South Square when you can see the lone skyscraper with the "needle" tower.

Whether you are coming from I-40, headed north on 15-501 BYPASS... or coming from I-85, headed south on 15-501 BYPASS, there will be a sign indicating "Keep Left for 15-501 BUSINESS -- South Square."

Exiting from either direction of 15-501 BYPASS leads to the same spot.

Passing under an overpass, there is a traffic light at a cross road named "Westgate"... and the Lone Star restaurant is ahead at 2 o'clock.

Go straight ahead.

Midway to the next traffic light, there is a sign: "Next right to Auto Drive."

At the light, there is a big Circuit City store is on the left... and the only turn possible is to the right, onto Shannon Road.

Turn right at this light.

The first traffic light on Shannon Rd. is at Auto Drive and you are in the midst of South Square mall: continue straight ahead.

The next traffic light on Shannon Rd. is the 3900 block of University Drive: go straight ahead.

After passing the Shannon Manor apartment complex, the next intersection has a stop sign and is called "MLK Jr.": go straight ahead.

Heading up a small hill and reaching the crest just before the curve, you are looking straight at the Durham Library--Southwest Branch... a brick building set on the left side of and below the level of the road.

The exam site address is 3605 Shannon Road.

The exam room is visible through a very large window to the right of the building entrance.

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73/Steve Modena/Internet: 70312.456@compuserve.com

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Date: Wed, 01 Jun 1994 17:15:47 EDT  
From: psinntp!arrl.org!usenet@uunet.uu.net  
Subject: ARLD032 DXCC update  
To: info-hams@ucsd.edu

SB DX @ ARL \$ARLD032  
ARLD032 DXCC update

ZCZC AE30  
QST de W1AW  
DX Bulletin 32 ARLD032

-----  
Date: Wed, 01 Jun 1994 20:58:00 PST  
From: ihnp4.ucsd.edu!library.ucla.edu!psgrain!nntp.cs.ubc.ca!mala.bc.ca!epaus!ham!  
emd@network.ucsd.edu  
Subject: Evergreen Intertie  
To: info-hams@ucsd.edu

jthart@csupomona.edu (Joseph T. Hart) writes:

> Please help. I need information about the Evergreen Intertie, a 2m  
>net that covers several Western states (N. Calif., Oregon, Washington,  
>Idaho, Montana), plus British Columbia and Alberta. The only place I've  
>found this repeater network described is in the ARRL publication Your VHF  
>Companion, but no repeater frequencies are listed. The Evergreen Intertie  
>is not listed in the 1993-94 ARRL Repeater Directory, nor in the Western  
>States Repeater Directory.

> Could someone please supply a contact person, address, and  
>telephone number? I will be traveling to the NW next week and moving  
>to the NW in two weeks.

> Thanks for helping, Joe (KE6GRS)  
>

Hi, Joe. I was just reading the news - and listening to a net on the  
intertie when I came across your posting. For more info on the Evergreen  
Intertie, send a Self Addresses Stamped Envelope - #10 business size, to  
Jack Williams, 4303 Maltby Rd, Bothell WA 98012. I have no phone number.

73, Bob.

emd@ham.island.net (Robert Smits Ladysmith BC)

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Date: 1 Jun 1994 16:46:48 -0400  
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!convex!news.duke.edu!eff!news.kei.com!  
babbage.ece.uc.edu!ankh.iaa.org!rtp.vnet.net!char2.vnet.net!not-for-

mail@network.ucsd.edu  
Subject: Fancy testing some Mac software ?  
To: info-hams@ucsd.edu

sean sharkey (sean@g0oanint.demon.co.uk) wrote:  
: Hello All,  
: I have just finished a HyperCard Stack that will allow control of a Yaesu  
: FT-747GX.  
: I now need your help.  
: I am looking for people that have a Macintosh and a FT-747GX  
: (or perhaps any other Yaesu radio) who can help me beta test  
: this stack.  
: If you would like to help just let me have an e-mail or street  
: address and I'll send you off a copy.  
: Kind regards, Sean.

Sean,  
Have Mac(s), Yaesu arrives next week, will test.  
David W. Barrow III, Stonewall Computer Center,  
1894 Elm Drive - Town of Cedarburg  
West Bend, WI 53095-9603  
Ma Bell (414) 375-2667  
Packet N9UNR@Wa9POV.#MKE.WI.USA.NA  
Internet exe02594@vnet.net

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Date: 2 Jun 1994 03:29:08 GMT  
From: korie!newsworthy.West.Sun.COM!abyss.West.Sun.COM!spot!myers@ames.arpa  
Subject: Ham Radio few problem  
To: info-hams@ucsd.edu

In article 16110@cs.brown.edu, md@pstc3.pstc.brown.edu (Michael P. Deignan)  
writes:

>  
>rogjd@netcom.com (Roger Buffington) writes:  
>  
>> I can assure you that in Southern California we take as dim a view of  
>> jammers as is done anywhere else. Fortunately, the problem is manageable  
>> and the jammers are reasonably few. T-hunting is big in our area, and  
>> often if a jammer gets too out of hand he gets tracked down and  
>> identified. These creeps tend to lose their enthusiasm for jamming when  
>> they know that others know who they are.  
>  
>In a recent conversation with a fellow ham out in CA, KD1NR, a  
>fellow ham in this area, exchanged information regarding how we have  
>caught a jammer with hard evidence and nobody will do anything about  
>it. Apparently, from his conversation, it would appear that similar

>incidents occur on a regular basis out in CA, with even professional  
>RF folks at NASA doing jammer hunting with \$100k+ equipment, only to  
>bag people and have nothing done at all about it.

It sounds like Mike is referring to a recent conversation between Tony and myself.

For the record, the amateur we caught, which did involve a NASA radio tech, was "tried" by the local amateur club. He was "sentenced" to a 1 month "suspension" of his transmitting privileges. The amateur was a 12 year old boy. He asked the club to try him rather than report him to the FCC, which we were quite ready to do, with considerable evidence. The FCC was never involved. The boys parents later prohibited him from using his radio after another questionable event, and we haven't heard from him since.

Yes, the FCC is often slow in responding to interference complaints. The .435 repeater is rife with examples of spotty or non-existent enforcement. At the same time, some people *are* being busted, and Richard Burton did go back to jail for amateur radio jamming.

However, Roger is quite correct in pointing out the value of well-placed peer pressure.

One evening, an unlicensed individual was operating on the air with a bogus call sign. It was not immediately clear that he was not licensed. He bragged about his place of employment having ham radios (Radio Shack) and offered me a deep discount. His poor practice led me to check his call sign; I was not surprised to find it invalid. When I spoke with him, he was quite recalcitrant, and the unlicensed operation ceased. I guess he bragged to too many hams, since someone contacted the manager of his store and he was later fired.

One morning, a station was on the local repeater, obviously a young man, signing with a WB6xxx call. His obvious youth and naive operating manner suggested he was not legit; a check of his call sign indicated it invalid. I spoke with him on the air, mentioned his call did not appear to be current, and he apologized and went away. We haven't heard from him since.

>Perhaps your glasses are a little too rose colored, Roger?

Well, Roger *does* live in Southern California, and you *do* live in Rhode Island, a little out of VHF/UHF range. Roger's story sounds reasonable to me. Maybe your glasses are a little too mud colored, Michael :-)

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\* Dana H. Myers KK6JQ, DoD#: j | Views expressed here are

\*  
\* (310) 348-6043 | mine and do not necessarily \*  
\* Dana.Myers@West.Sun.Com | reflect those of my employer  
\*  
\* This Extra supports the abolition of the 13 and 20 WPM tests \*

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Date: Thu, 2 Jun 1994 02:49:53 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!EU.net!sunic!trane.uninett.no!  
nac.no!ifi.uio.no!wabbit.cc.uow.edu.au!news.ci.com.au!metro!ipso!  
rwc@network.ucsd.edu  
Subject: IPS Monthly Report - May 94  
To: info-hams@ucsd.edu

SUBJ: IPS MONTHLY REPORT - MAY 1994  
ISSUED BY IPS RADIO AND SPACE SERVICES  
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.

1. SOLAR-GEOPHYSICAL INDICES

Day	SOLAR 10 cm flux	MAGNETIC A-INDEX	AUST T INDEX
May 01	075	25	27
May 02	076	41	-5
May 03	074	29	49
May 04	073	20	19
May 05	073	33	16
May 06	074	29	13
May 07	074	30	17
May 08	074	33	10
May 09	077	24	-10
May 10	080	24	11
May 11	082	25	22
May 12	087	12	15
May 13	089	08	22
May 14	090	19	36
May 15	091	28	44
May 16	091	26	33
May 17	095	14	41
May 18	094	20	48
May 19	091	15	48
May 20	090	07	44
May 21	088	05	46
May 22	085	08	39
May 23	081	10	41
May 24	078	25	51
May 25	074	24	49
May 26	071	11	38



May	27	070	05	25
May	28	070	21	15
May	29	069	33	10
May	30	069	35	23
May	31	069	28	17

		10 CM FLUX	SUNSPOT	NUMBER	A INDEX	AUST INDEX	FLARES
Month		Monthly Average	Monthly Average	Yearly Average	Monthly Average	Monthly Average	>M1.0
May	94	79.8	18.2		21.5	27.5	0
April	94	79.0	16.7		21.0	34.7	0
March	94	90.5	31.7		17.5	36.9	0
February	94	99.5	35.9		22.5	38.0	2
January	94	115.0	58.8		12.4	60.2	11
December	93	104.9	49.4		10.4	56.4	8
November	93	95.8	34.8	41.0	11.7	50.0	3
October	93	100.2	55.4	44.7	11.6	31.3	3
September	93	86.3	21.7	48.2	12.3	33.6	2
August	93	93.7	42.0	52.1	11.0	48.7	1
July	93	99.0	57.3	54.4	10.6	59.6	4
June	93	109.4	49.1	55.8	13.0	62.6	13
May	93	112.4	61.2	59.6	11.0	64.3	5

IPS Predicted (Yearly Smoothed) Sunspot Numbers for December 1993-November 1994

Month	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
SSN	38.3	36.0	33.9	33.3	32.0	30.1	28.3	25.4	23.0	21.6	21.0	20.9

Latest T-Indices for IPS Advanced Stand-Alone Prediction System-(ASAPS)

Last update: April 1994 Solar-Geophysical Summary

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1988	45	43	58	74	72	84	84	95	115	132	116	128
1989	147	164	135	140	141	157	162	149	143	159	164	152
1990	150	128	135	129	126	138	136	138	141	136	122	133
1991	142	176	172	164	136	118	141	128	136	131	121	130
1992	152	172	156	134	95	79	89	66	68	67	85	89
1993	75	78	80	65	63	63	55	47	34	31	37	58
1994	39*	37*	36*	35*	34*	31*	28*	26*	24*	22*	21*	19*
1995	18*	18*	17*	16*	15*	14*	14*	13*	12*	11*	11*	10*
1996	10*	9*	9*	8*	8*	8*	8*	9*	9*	10*	11*	12*
1997	13*	15*	17*	19*	21*	23*	26*	30*	33*	38*	43*	48*

Asterisk indicates predicted value.

For information concerning ASAPS for an IBM PC (or compatible) contact IPS.

The IPS Monthly T-index is derived from the observed monthly median values of foF2 for each hour at up to 40 ionospheric stations worldwide. These records become available from IPS stations in Australia very soon after each month, but the majority are received up to one year later.

This means that the exact observed value of the monthly T-index is not available until some months later.

The predicted smoothed monthly T-indices are computed by using a statistical analysis of the observed monthly T-indices for all solar cycles since 1938. The IPS T-indices may not be updated each month but only when sufficient new data becomes available.

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## 2. FLARES AND SHORT-WAVE FADEOUTS

All M flares with an energy greater than or equal to M1 are tabulated under class M flares.

However, times of fade-outs are shown only for flares with an energy greater than X-ray class M3.

DATE	CLASS M FLARES	CLASS X FLARES	FADEOUT POSSIBLE ON DAYLIGHT CIRCUIT
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NO FLARES.

### 2.1 Comments on Solar Activity.

Solar activity continued at very low to low levels during May.

Little variation was observed in the daily 10cm flux values throughout the month. A peak for the month of 95 occurred on 17 May, with a minimum value of 69 recorded on 31 May.

The monthly sunspot number of 18.2 was the second lowest since the decline of the cycle - April 1994 was the lowest. The most interesting feature was the sequence of six days at the end of the month when the sun was without spots at all. This is the longest such sequence yet observed in this declining phase of the cycle. May is now the third month consecutive month with no M class flares observed (the most recent M-class solar flare was observed on February 27th).

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## 3. GEOMAGNETIC DISTURBANCES (for Learmonth, WA)

DATE	COMMENTS
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May 1-11	The major pattern of recurrent geomagnetic activity observed over the past 3-4 months continued during this interval. Active to minor storm levels were observed at times on May 1-3, 7-8 and 11, with unsettled to active levels recorded at other times over this period.
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May 15	Active to minor storm levels were observed, as part of another long standing pattern of recurrent activity.
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May 24-25	Active to minor storm periods observed in the northern hemisphere, during this interval. Unsettled levels
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were observed at Learmonth.

May 28-31                      Active to minor storm periods observed during this interval. This activity is again the return of the major pattern of recurrent geomagnetic activity which was last observed May 1-11. Active to minor storm periods are expected to continue until June 8.

### 3.1      Comments on Geomagnetic Activity.

Lengthy periods of recurrent activity were observed during May. The most disturbed days of the month were May 2 and 30, with an A indices of 41 and 35 respectively. Recurrent activity began again on May 28 and is currently in progress, and is expected to decline after June 8.

## =====

### 4.      IONOSPHERIC DISTURBANCES                      (for Sydney)

DATE	MUFs
May 2-3	Depressions of 30% were observed for most of May 2. Enhancements of around 30% then followed for most of May 3.
May 4	Depressions of 30% were observed 10-14UT.
May 5	Depressions of 15-30% were observed 11-17UT.
May 6	Depressions of 15-30% were observed 04-07UT and 10-11UT.
May 8-10	Depressions of 15-30% were observed from 08/15UT - 09/07UT. Depressions of 50% were observed 09/10-17UT, with depressions of 15-30% then observed until 10/03UT.
May 11	Depressions of 40% were observed 16-20UT.
May 28-31	Depressions of 15-20% were observed at times during this interval. Spread F was observed during local night.

### 4.1      Comments on Ionospheric Conditions.

Depressions were observed during the first half of the month and towards the end of the month. Spread F was commonly observed during local night-time hours. The most significant depressions were those observed May 8-10.

## =====

### 5.      IPS WARNINGS AND ALERTS ISSUED

WARNINGS:

NO	ISSUE TIME	ISSUE DATE	BEGIN	END	COMMENTS
12	2337 UT	25 04 1994	29 04 1994	11 05 1994	Magnetic and Ionospheric
13	2313 UT	09 05 1994	12 05 1994	16 05 1994	Magnetic and Ionospheric
14	2333 UT	21 05 1994	24 05 1994	25 05 1994	Magnetic and Ionospheric
15	0234 UT	26 05 1994	28 05 1994	07 06 1994	Magnetic and Ionospheric

SIGNIFICANT EVENT SUMMARY NO	TIME	DATE	COMMENTS
NONE ISSUED.			

SWF WARNING NO	TIME	DATE
NONE ISSUED.		

#### ALERTS:

DATE OF ISSUE	TYPE OF ALERT
03 May	Magnetic
04 May	Magnetic
07 May	Magnetic
08 May	Magnetic
09 May	Magnetic
16 May	Magnetic
17 May	Magnetic
30 May	Magnetic
31 May	Magnetic

DATE	SWF BEGIN-END (UT)
NONE ISSUED.	

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IPS Regional Warning Centre, Sydney	IPS Radio and Space Services
email: rwc@ips.oz.au fax: +61 2 4148331	PO Box 5606
RWC Duty Forecaster tel: +61 2 4148329	West Chatswood NSW 2057
Recorded Message tel: +61 2 4148330	AUSTRALIA

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Date: Thu, 2 Jun 1994 06:06:12 GMT  
 From: news.Hawaii.Edu!uhunix.uhcc.Hawaii.Edu!jherman@ames.arpa  
 Subject: NEEDED: FCC Compliant FM Xmitter  
 To: info-hams@ucsd.edu

In article <2si9k8\$2s8@agate.berkeley.edu> tah@uclink.berkeley.edu (Timothy Andrew Hooper) writes:

>I am trying to get a community station off of the ground in rural Vermont,  
 >and finding the FCC regulations to be a serious stumbling block. Rather  
 >than pay several thousand for a new transmitter, or pay several thousand  
 >to get a homebrew transmittter cleared by the FCC, I'd like to find someone  
 >(or some station) with an old low power (50 watts or so) transmitter that  
 >they would be willing to sell or give away (tax-deductible).

Andy (and anyone else who is interested): The place to find such an item is on the newsgroup `rec.radio.broadcasting` - that's where a lot of folks in the profession hang out. Some station owner or engineer might have an older xmtr that would suit your needs.

The moderator of that newsgroup is very pro-community radio oriented.

Jeff NH6IL

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Date: 2 Jun 1994 01:19:02 -0400  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!  
europa.eng.gtefsd.com!news.ans.net!newstf01.cr1.aol.com!search01.news.aol.com!not-  
for-mail@network.ucsd.edu  
Subject: PRB-1 access and approaching city hall  
To: info-hams@ucsd.edu

In article <2s5694\$atk@delphinium.cig.mot.com>, rundall@rtsg.mot.com  
(Patrick J. Rundall) writes:

Pat: If you ask around the hams at Motorola, they'll tell you to call  
Jim O'Connell,  
W9WU for antenna advice in the Chicago area. Sometimes, I even get  
calls  
before you buy the house. Give me a call after the fact anyway.

Jim O'Connell, W9WU  
ARRL Volunteer Counsel  
Office 312 793-2380

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Date: (null)  
From: (null)  
SB DX ARL ARLD032  
ARLD032 DXCC update

Documentation for the following operations has been received and  
approved:

Call:           Operations Beginning (dd/mm/yy):

3D2MD	25/6/1991
3D2/ON4QM	24/9/1990
5W1JW	9/9/1991
A35DM	8/8/1990

C56/ON4QM 30/10/1989  
DP0RIM 13/2/1993 (Special agreement call sign, counts for 5T5)  
H44QM 30/10/1991  
S92QM 16/3/1992  
T20CB 9/9/1992  
T30MD 24/9/1992  
V63SB 24/3/1994  
VS6/WA6TJM 2/6/1992  
XT2TX 19/11/1993  
YJ0AMD 1/10/1990  
ZK1DM 25/9/1991  
ZK2XX 29/10/1993  
ZK3DM 9/8/1993  
NNNN  
/EX  
0.....#2,9,728-06331200 E71N Compu\$erve 2400.....#2,9,548-93692400

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Date: 1 Jun 1994 20:28:52 -0700  
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!netline-fddi.jpl.nasa.gov!nntp-server.caltech.edu!news.claremont.edu!kaiwan.com!not-for-mail@network.ucsd.edu  
To: info-hams@ucsd.edu

References <2seid0\$702@kaiwan.kaiwan.com>, <2sfhir\$r4g@tymix.Tymnet.COM>,  
<YEE.94Jun1132350@mipgsun.mipg.upenn.edu>du  
Subject : Re: 440 in So. Cal.

Let me begin by making a retraction of something I didn't say. I do not propose evicting any existing, live-and-well, private/closed repeater from 440 (as if it were possible). However, the following proposal is actually worthy of spending a few neurons to study...

Conway Yee (yee@mipg.upenn.edu) wrote:

> A closed system uses up  
> spectrum and deprives the vast majority of hams access to this  
> spectrum. Since this spectrum is meant as a "public park," there is  
> something amiss when most of a band is populated by closed repeaters  
> that are rarely in use. By analogy, this is like taking Yellowstone  
> and partitioning it out to individuals as private fiefdoms. Highly  
> active closed repeaters are not the problem as this indicates that the  
> spectrum is in use. Closed repeaters that are rarely in use waste  
> spectrum. Why can't such repeaters be shunted to a single frequency  
> pair with different PL offsets? Open repeaters are open to one and  
> all so there should be plenty of users all the time. Closed repeaters  
> could share frequency pairs. Thus, the interests of all can be well  
> served.

This reminds me of the Motorola/GE trunked system sales pitches about effective use. Given the state of OUR art, I think this is as close as we can hope to get. Hmmmmmm <fading off deep into thought>

--

\_\_\_\_[ Robb Topolski ]\_\_\_\_[ San Clemente, CA ]\_\_\_\_[ topolski@kaiwan.com ]\_\_\_\_

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End of Info-Hams Digest V94 #608

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